

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1050520

Luminaire Tested: 24PTR-20-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050520
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20-L935-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

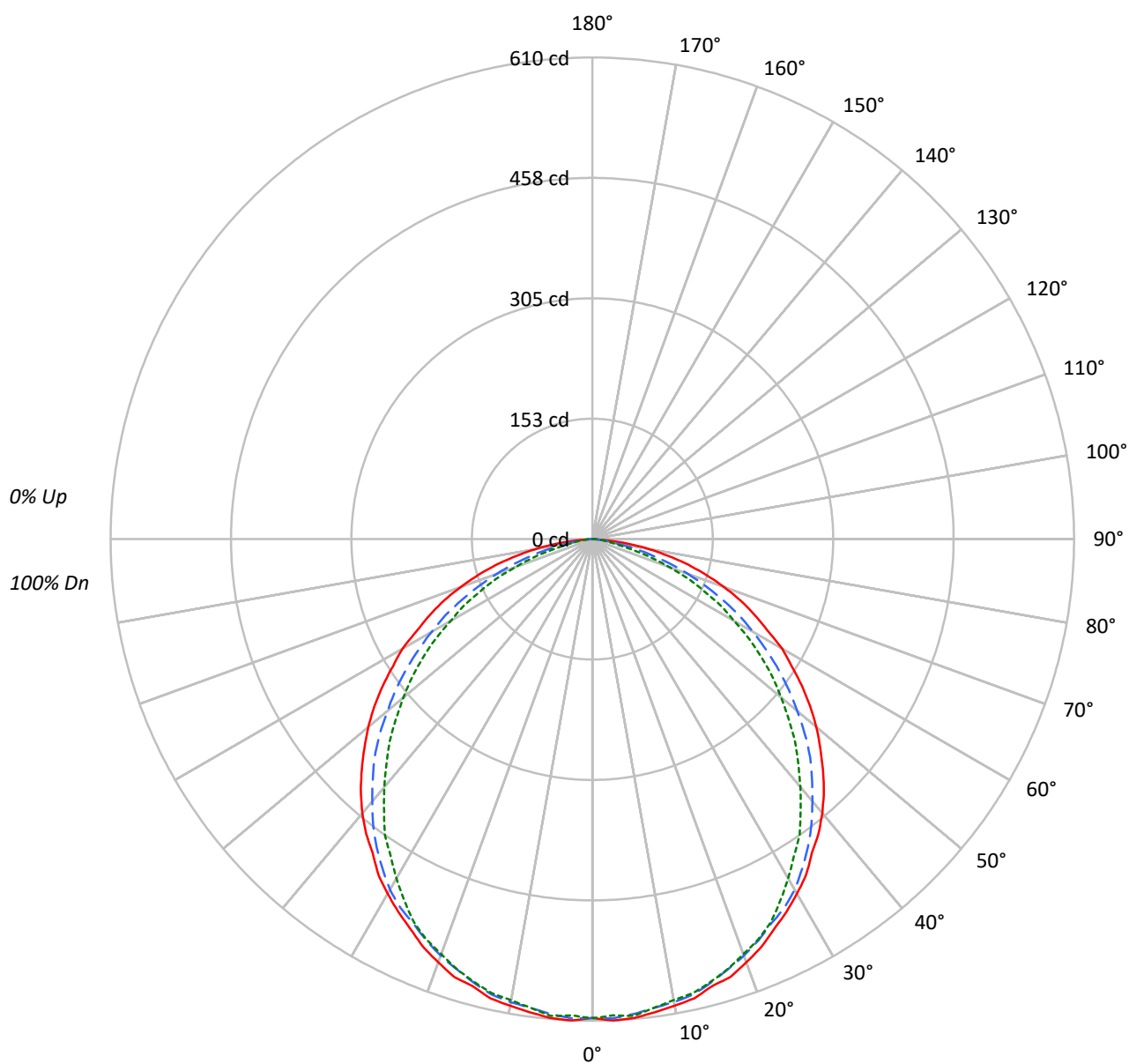
Lumens per Lamp: N/A
Luminaire Lumens: 1615.7 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	816	816	816
5°	822	815	819
10°	820	813	810
15°	816	810	808
20°	817	804	801
25°	809	797	794
30°	805	796	771
35°	796	782	752
40°	796	761	720
45°	786	742	691
50°	775	709	653
55°	760	675	614
60°	747	632	557
65°	721	580	498
70°	698	504	406
75°	656	398	280
80°	568	241	168
85°	380	173	162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 786 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	3.6
10°-20°	164.5	10.2
20°-30°	248.5	15.4
30°-40°	295.5	18.3
40°-50°	299.7	18.5
50°-60°	260.2	16.1
60°-70°	184.7	11.4
70°-80°	88.3	5.5
80°-90°	16.7	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	470.5	29.1
0°-40°	766.0	47.4
0°-60°	1325.9	82.1
0°-90°	1615.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1615.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	607	607	607	607	607	
5°	609	607	604	605	606	58
15°	586	587	581	581	580	166
25°	545	544	537	539	535	252
35°	485	484	476	460	458	305
45°	413	409	390	369	363	319
55°	324	314	288	271	262	290
65°	226	210	182	163	156	224
75°	126	103	77	61	54	132
85°	25	13	11	11	10	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	606.6	606.6	606.6	606.6	606.6
2.5°	610.2	608.0	607.3	609.8	603.7
5°	608.7	606.6	603.7	605.1	606.2
7.5°	604.4	602.6	598.6	601.9	598.6
10°	600.1	598.3	595.4	596.5	592.8
12.5°	595.7	591.4	590.7	591.4	588.9
15°	586.0	587.4	581.3	580.6	580.2
17.5°	581.3	577.7	571.2	571.5	570.8
20°	570.4	566.1	561.4	560.7	559.2
22.5°	559.2	554.2	549.8	552.0	548.8
25°	544.8	544.1	536.8	539.0	535.0
27.5°	532.1	529.6	526.4	521.7	515.9
30°	518.4	515.9	512.6	500.4	496.0
32.5°	504.0	501.1	494.6	480.1	475.4
35°	484.8	484.1	476.1	459.9	457.7
37.5°	470.4	462.4	455.9	439.3	433.2
40°	453.0	448.7	433.5	417.6	409.7
42.5°	433.9	428.8	411.5	394.5	385.8
45°	412.9	409.3	389.8	369.2	363.1
47.5°	391.3	388.0	364.9	345.0	337.1
50°	370.3	366.3	338.5	319.4	312.1
52.5°	347.5	341.0	313.6	294.8	287.9
55°	324.1	314.3	287.9	270.9	261.6
57.5°	299.1	290.1	260.8	243.1	235.5
60°	277.5	264.8	234.8	216.8	207.0
62.5°	249.6	238.8	210.3	188.9	184.2
65°	226.5	209.5	182.1	162.6	156.4
67.5°	203.0	183.2	155.3	135.5	132.2
70°	177.4	156.8	128.2	108.7	103.3
72.5°	151.4	131.1	103.3	82.7	79.5
75°	126.1	103.0	76.6	60.7	53.8
77.5°	98.6	77.7	53.8	37.2	32.9
80°	73.3	52.4	31.1	22.0	21.7
82.5°	48.0	30.3	16.6	17.0	16.3
85°	24.6	13.0	11.2	10.8	10.5
87.5°	4.7	5.1	5.4	5.4	5.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)